

Attachment No. 6

Flash Emissions

Storage Tank - Flash Calculations - DURKEE FACILITY

Input Data

Facility

Separator Pressure - psig 20
Upstream Pressure - psig 18

Separator Fluid Temp. - F 85
Throughput - bbl/year 5110
API Gravity 39
Atmospheric Pressure - psia 14.696
Average Temperature - F 80
Operating Schedule - day/mo. 30.4
Operating Schedule - mo./year 12
Gas Specific Gravity 0.59
Oil Specific Gravity 0.8322

Vasquez Beggs GOR Correlation

Constants

C 1 0.0178
C 2 1.187
C 3 23.031

SG 100 0.53348731

Gas Oil Ratio = 3.32362569

Flash Gas Loss (tpy) total = 0.84022398

Rollins, McCain, & Creeger Correlation

Black Oil GOR = 4.12140164

Flash Gas Loss (tpy) total = 1.04190447